Engineering Lib.
direct

Contents

No. 1

Major-General Charles P. Summerall.....*Frontispiece*

Major-General Charles P. Summerall, Chief of Staff..... 1

The Annual Report of the Chief of Field Artillery for 1925-1926 (Part II)..... 2

Statement of General Summerall..... 23

Grooming Machines..... 31
By Major Harleigh Parkhurst, F.A.

Kaleidoscopics..... 43
By Burton Harrington.

Six Months with a Japanese Artillery Regiment..... 45
By Major William C. Crane, Jr., F.A.

Field Artillery in Hawaii..... 58
By Waikoloa.

Regimental Notes..... 63

Foreign Military Journals —A Current Résumé..... 87

Current Field Artillery Notes..... 93
Knox Trophy, 1926.
Knox Medal.
13th Field Artillery Football Team.
Army Riding Team at National and Chicago Horse Shows.
Metal Targets Supports for Bobbing Targets.
Princeton R.O.T.C. Polo Team.
Field Artillery Board Notes.

The United States Field Artillery Association..... 109

No. 2

Dan IV by Ex Veto out of Deihadarra.....*Frontispiece*

French Artillery..... 113
By Major Emmanuel Lombard, French Artillery.

Six Months with a Japanese Artillery Regiment..... 121
By Major William C. Crane, Jr., F. A.

Gaits (Poem)..... 128
By Fairfax Downey.

CONTENTS—Continued

Sub-Caliber Firing in Training Field Artillery 129
By Major Francis T. Colby, F. A.

The Reserve Officers' Training Corps—Mission and Methods 138
By Major John N. Hauser, F. A.

The 83rd Field Artillery Constructs New Quarters 146
By Major Robert S. Donaldson, F. A.

A Miniature Range and its Operation 149
By Lieutenant William P. Blair, F. A.

Letters 158
By Martin Gale.

The International Legal Status of Chemical Warfare 162
By Captain Geoffrey Marshall, C. W. S.

Regimental Notes 168

Foreign Military Journals—A Current Résumé 199

Current Field Artillery Notes 210
New Ration for Horses and Mules.
Classification of Our Battle Casualties in the World War.
Machine Gun Caisson Mount.
76th Field Artillery Football Team.

No. 3

Batteries of the 7th Field Artillery, 1st Division ..... *Frontispiece*

Field Artillery: Past, Present and Future 221
By General Herr of the French Army.

Preliminary R.O.T.C. 247
By Fairfax Downey.

Portée Artillery in the Hawaiian Division 248
By Lieutenant Charles W. Hensey, F.A.

Determination of Dead Space 255
By Lieutenant John H. Hinds, F.A.

Rodney—A Veteran Artillery Horse 261

An Artillery Firing and Terrain Table 264
By Captain H. H. Ristine, F.A. (DOL).

Training Swiss Mountain Artillery Recruits 278

Triangulation as a Method for Figuring Firing Data 282
By Lieutenant Everett Lewy, F.A.-Res.

CONTENTS—Continued

A Course at the Artillery Center at Metz 290
By Brevet Lieutenant-Colonel E. Cross, French Infantry.

Foreign Military Journals—A Current Résumé 306

Current Field Artillery Notes 322
Automatic Pole Support.
Prize Winning Artillery Team.
Portée Artillery.
Army Polo Association Plans for 1927 Season.
The Field Artillery Board Notes.

No. 4

Blue Ribbon Team, Headquarters Battery, 2nd F.A., Pinehurst, N.C. *Frontispiece*

Field Artillery: Past, Present and Future 329
By General Herr of the French Army.

"Statesmanship or War" 359
By Brigadier-General John McAuley Palmer, Retired.

Lateral Bracket Adjustment and the Use of the Ladder Method .. 365
By Major J. E. McMahon, F.A.

Notes on Training Polo Ponies 378
By Captain Wesley J. White, F.A.

Use of the 75 as an Accompanying Gun 384
By Colonel Pegazy, French Army.

The Flying Battery Commander 391
By Captain P. T. Quinn, F.A. (DOL).

Adopting a Course in Military History for Field Artillery Reserve Officers' Training Corps Unit 394
By Lieutenant William P. Blair, F.A.

Supplementing Telephone Communication in Field Artillery Regiments 405
By Lieutenant Wilbur S. Nye, F.A.

Foreign Military Journals—A Current Résumé 412

Current Field Artillery Notes 427
83rd Field Artillery Now Horse-Drawn.
Troop Changes at Fort Sam Houston, Fort Sill and Fort D. A. Russell.
The Bearcat Hymn Book.
Changes in Instructions Relative to Administration of Officers' Reserve Corps.
Purchase of Officers' Private Mounts.
Washington Artillery of New Orleans.
A Motor Horse Ambulance.
First Sergeant James E. Powell Retires.
A Caliber .22–.45 Pistol.
Polo Notes.

CONTENTS—Continued

No. 5

Corps Day at Purdue University ..... *Frontispiece*

Maximum Range and Efficiency of Projectiles 437
By Lieutenant-General H. Rohne, Retired, German Army.

French Artillery 455
By Major Emmanuel Lombard, French Artillery.

Description of Miniature .22 and .30 Caliber Field Pieces and .22 Caliber Battery, Together with Notes on the Method of Use 466
By Major Francis T. Colby, F.A.

The Practicability and Applicability of High Burst Ranging with the 75-mm. Gun and 155-mm. Howitzer 474
By Major John C. Wyeth, F.A.

Treason 483
By Lieutenant J. L. Chamberlain, Jr., F.A.

Field Artillery: Past, Present and Future 484
By General Herr of the French Army.

The Exact Differential Equations of a Trajectory in Terms of the Hoar Curvilinear Coördinates 505
By First Lieutenant William E. Roth, 120th F.A., W.N.G.

The Right Word 513
By Martin Gale.

Artillery Wheels 516
By Lieutenant Harold C. Raymond, F.A.

Use of Polaris for Night Firing 521
By Lieutenant Otto Ellis, F.A.

Foreign Military Journals—A Current Résumé 525

Current Field Artillery Notes 532
Premature Explosions.
Lieutenant-General H. Rohne.
Redesignation of Field Artillery Units.
Reorganization of Divisions of Regular Army.
Revision of War Department Plans.
Examination for Gunners.
Army Air Corps to Map Extensive Areas.
Further Maneuvers to Test Problems of Motor Transportation of Troops.
Polo.
Field Artillery Board Notes.

CONTENTS—Continued

No. 6

"Keep 'Em Rolling" ..... *Frontispiece*

The Annual Report of the Chief of Field Artillery for 1926-1927 ..... **547**

G. H. Q. Artillery **571**
By Lieutenant-Colonel Edward H. DeArmond, F.A.

The Relative Importance of Orientation and Gunnery **584**
By Captain V. R. Woodruff, F.A. (DOL).

The Testimony of an Expert **589**
By Martin Gale.

Portée March by Battery "A," First Field Artillery **592**
By Captain Edward F. Hart, F.A.

Field Artillery: Past, Present and Future **623**
By General Herr of the French Army.

Book Reviews **639**
"Reminiscences of Adventure and Service."—GREELY.
"The Medical Aspects of Chemical Warfare."—VEDDER.
"Air Warfare."—SHERMAN.
"Army Posts and Towns."—SULLIVAN.

Foreign Military Journals—A Current Résumé **644**

Current Field Artillery Notes **651**
Army Riding Team.
Courses at the Field Artillery School.
Another Barracks Building at Fort Lewis.
Aërial Photographic Work.
Motorized Cavalry March.
Motor Vehicles Disposed of Since the World War.
West Point Field Artillery Range Discontinued.
160th Field Artillery.
New Infantry Mortar.
Polo.